



COMING EVENTS

APRIL

3 THURSDAY

Music Faculty of Music Thursday Afternoon Series. Martin Jones, pianist. Concert Hall, Edward Johnson Building. 2 p.m.

Special Events Series. Faculty of Music Trio: Lorand Fenyves, violin; Peter Schenkman, cello; Anton Kuerti, piano. Concert Hall, Edward Johnson Building. 8.30 p.m. Standing room on day of performance. Box office, 928-3744.

Seminar School of Graduate Studies and Department of East Asian Studies. "The Lamentation Works of Uchimura Kanzō and the Origin of the Japanese I Novel". Prof. John F. Howes. Room 332, Borden Garage. 2 p.m.

4 FRIDAY

Sugaring Off At Hart House Farm. Visitors welcome. Maps available at Graduate Office, Hart House. Friday to and including Sunday, April 6.

7 MONDAY

Lecture School of Graduate Studies and Department of Electrical Engineering. "Performance of Electrically Small Antennas in the Presence of Noise". Dr. Martin Fournier, Laval University. Room 221, Galbraith Building. 3 p.m.

Music Faculty of Music Ensembles. Concert Hall, Edward Johnson Building. 1.15 p.m. Free.

Film Italian films series. "La Dolce Vita". With Marcello Mastroianni, Anita Ekberg and Anouk Aimée. Room 257, Erindale College. 2 p.m.

Dinner Faculty Club Honorary Members' Dinner. Reception, 6.15 p.m. Dinner, 6.45 p.m. (Regular dinners will not be served)

8 TUESDAY

Lectures School of Graduate Studies and Department of Physiology. "Intermittent Static Work: Work Capacity and Energetic Cost". Prof. H. Monod, Faculty of Medicine, Pitié Salpêtrière, Université de Paris. Room 3173, Medical Sciences Building. 11 a.m.

Department of Pharmacology and School of Graduate Studies. "The Physiology of Nerve-Muscle Transmission". Prof. David Quastel, Dalhousie University. Room 4279, Medical Sciences Building. 3 p.m.

Music Royal Conservatory of Music Noon Hour Concert. Gayle Brown, Piano. School of Music Concert Hall, 273 Bloor St. W. 12.30 p.m. Admission free.

9 WEDNESDAY

Tours Three Tours: "The Glory of Athens" or "Gemstones" at 12 p.m.; "Gemstones" or "The Glory of Athens" at 1 p.m.; "The Hall of Fossil Invertebrates" at 2 p.m. ROM Main Rotunda.

Music University of Toronto Repertory Band. MacMillan Theatre, Edward Johnson Building. 1 p.m. Free.

10 THURSDAY

Lectures School of Graduate Studies and Department of Electrical Engineering. "Solid State Power Conversion". Prof. A. Kusko, Massachusetts Institute of Technology. Time and place to be announced.

School of Graduate Studies and Department of East Asian Studies. "Music of the Japanese Noh Drama". Prof. William P. Malm, University of Michigan, Ann Arbor. Room 2118, Sidney Smith Hall. 4 p.m.

Music Faculty of Music Thursday Afternoon Series. Orford String Quartet. Concert Hall, Edward Johnson Building. 2 p.m. Free.

11 FRIDAY

Lectures "University/Government Relations in Britain and the Role of the UGC". Richard C. Griffiths, deputy secretary of the University Grants Committee, London. Music Room, Hart House. 10 a.m. to 12 noon. Ample opportunity for discussion. Open meeting.

Department of Psychiatry. "The Psychiatric Nurse, Fox or Hedgehog?" Dr. Ralph Hirschowitz, Harvard University. Clarke Institute of Psychiatry Auditorium. 10.30 a.m.-12 noon.

Department of Metallurgy and Materials Science. "Some Properties of Technical Silicon-Iron Alloys". Dr. A. Espelund. Room 116, Wallberg Building. 3.30 p.m.

Seminar School of Graduate Studies and Department of East Asian Studies. "Practical Approaches to Japanese Traditional Music". Prof. William P. Malm. Room 310, Edward Johnson Building. 10 a.m.

Music University of Toronto Symphony Orchestra, conductor, Victor Feldbrill. Reserved tickets at Box Office, Edward Johnson Building. MacMillan Theatre. 8.30 p.m. Free.

12 SATURDAY

Lecture The Bertha Bassam Lecture in Librarianship, sponsored by the School of Library Science Alumni Association. "Developing Library Service, a German Outlook". Horst Ernestus, deputy director, Cologne Public Libraries, Germany. The Buttery, Trinity College. 8.15 p.m.

13 SUNDAY

Music Massey College Choral Vespers Service. Music by Bach, Tomkins and Bryant. Massey College. 5 p.m.

15 TUESDAY

Music Royal Conservatory of Music Noon Hour Concert. Earle Moss, Piano; Leslie De'Arth, Piano; Clara Salisbury Baker, Speech, Arts and Drama. School of Music Concert Hall, 273 Bloor St. W. 12.30 p.m. Admission free.

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CUG sets briefs deadline
and plans to meet Senate

The Commission on University Government has set a deadline of May 1 for the receipt of briefs, although it is understood that any briefs received before mid-May will also be considered. The Commission has reaffirmed its intention of completing its report by July 31.

The following have accepted invitations to appear before the Commission, at the times and places indicated:

Tuesday, April 8, 7.30 p.m., Senate Chamber, Simcoe Hall—Principal John Deutsch, Queen's University.

Friday, April 11, 10 a.m., Council Chamber, Galbraith Building—Timothy Reid, M.L.A., Liberal education critic in the Ontario Legislature.

Tuesday, April 15, 10 a.m., Senate Chamber—Prof. Stanley Kelley, Princeton University.

Friday, April 18, 10 a.m., Senate Chamber—Edward Broadbent, New Democratic M.P. for Oshawa-Whitby and a university teacher, and the Hon. Walter L. Gordon, former federal Minister of Finance.

One faculty member and one student from the School of Social Work, the Faculty of Dentistry and the Faculty of Architecture, Urban and Regional Planning, and Landscape Architecture are being invited to speak to the Commission.

Arrangements are also being made to hear Prof. Richard Judy, Institute for the Quantitative Analysis of Social and Economic Policy; B. L. Hansen, director,

APRIL 10 DEADLINE

All material for the next issue should be in the hands of the editor, Mrs. Winogene Ferguson, by noon on the 10th of April. Her address is Room 225, Simcoe Hall (928-2102).

Office of Institutional Research; Dr. G. E. Wodehouse, director, University Health Service; Dr. Donald McCulloch, director, Advisory Bureau; Prof. J. B. Conacher, Department of History; Dr. Gilbert de B. Robinson, Vice-President, Research Administration; Dr. Gordon N. Patterson, director, Institute of Aerospace Studies; Hugh Armstrong, former president, Canadian Union of Students; Dr. John B. Macdonald, executive vice-chairman, Committee of Presidents of the Universities of Ontario; Andrew Andras, Canadian Labour Congress, and a representative number of heads of University research centres and institutes.

The Commission has scheduled a meeting with the Senate on Tuesday, May 13, at 7.30 p.m. Prof. Moffatt Woodside will be invited to make an opening statement and will serve as a resource person. The Commission on the occasion of this public hearing will depart from its usual practice and will allow visitors in the gallery to speak, upon recognition of the chair.

STAFF NOTES

Arts and Science

On Feb. 14 Prof. J. B. Jones gave an invited talk entitled "Chemical Studies Related to the Carcinogenicity of Lactones" to the McGill University Chemical Society. He also presented a colloquium on this subject while visiting the National Research Council, Ottawa, Feb. 19-21.

Prof. Peter Yates lectured on "Recent Investigations of the Photochemistry of Cyclic Ketones" at Seton Hall University, New Jersey, on Dec. 3, and at St. Lawrence University, New York, on Dec. 11; on "The Application of Chemical Kinetics in Organic Synthesis" at the Ciba Pharmaceutical Co. Research Laboratories, New Jersey, on Feb. 18; on "Aspects of the Photochemistry of Cyclic Ketones" at Brock University on March 6; and on "Structural Aspects of the Photodimerization of Cyclic Conjugated Ketones" at the Thomas J. Watson Research Center, International Business Machines Corporation, New York, on March 24.

The Department of Fine Art was host to the third annual meeting of artists and others involved in promoting and teaching printmaking as a fine art medium across Canada, March 15 and 16. The principal speaker was Prof. John L. Ihle of San Francisco State College, currently professor of printmaking at the University of Alberta, Edmonton. He was introduced by Prof. Marianna van Hoogendyk. This meeting was sponsored by the Youth and Recreation Branch of the Ontario Department of Education under Walter Sunahara, art adviser, and organized by a joint committee representing the Canadian Society of Graphic Art, the Canadian Society of Painter-Etchers and Engravers, the Faculty of Fine Arts, York University. Members of the joint committee included Mrs. Klaus Rothfels, Mrs. Baren Brainerd and Mrs. Otto Weininger.

Dr. K. Hewitt spoke on "Integrated Monitoring of Erosional Processes in a High Relief Basis", at the colloquium on Geomorphic Processes in the Canadian Rockies at McMaster University, March 6.

Prof. D. F. Putnam visited the University of Windsor, where he conducted a seminar on "The Place of Physical Geography in Geographical Education". He also spoke to an evening meeting on "Reminiscences of a Canadian Geographer".

The William Koren, Jr. Prize for 1968, awarded annually by the Society for French Historical Studies for an article published in North America, has been divided between Prof. Natalie Zemon Davis (History) and Prof. Leo A. Loubère of the State University of New York at Buffalo. Prof. Davis' article is entitled "Poor Relief, Humanism and Heresy: the Case of Lyon" and appeared in *Studies in Medieval and Renaissance History*, V.

Profs. J. H. Parker and Kurt Levy attended the First International Conference held jointly by the New York Teachers' Federation and the Ontario Modern Language Teachers' Association in Buffalo from March 20 to 22. Prof. Parker served as moderator of the Italian Language Section and Prof. Levy participated in the meetings of the OMLTA Executive Council and chaired the joint Spanish subsections.

Prof. R. A. Smith gave a Mathematics colloquium talk at the University of Waterloo on March 17 entitled "Exponential Sums and a Problem of Mordell".

Prof. A. W. Brewer attended the American Meteorological Society Symposium on Meteorological Observations and Instrumentation in Washington, Feb. 12-14. He gave an invited paper on "Instruments for the Measurement of Atmospheric Composition".

Prof. J. M. Daniels gave an invited paper, "Polarized He³ Target for Use at High Energies", at the meeting of the American Physical Society, St. Louis, on Feb. 28.

Prof. K. G. McNeill organized and chaired a session of the scientific meeting in connection with the opening of the new Whole Body Counter at the Toronto General Hospital on March 12. There were speakers from Britain, the United States, and Canada.

Prof. P. J. O'Donnell was the speaker for the Physics colloquium at the State University of New York at Buffalo on Feb. 20. The title of the talk was "Strong Interaction Symmetries".

Prof. H. W. Taylor was elected a fellow of the American Physical Society at the meeting in New York on Feb. 5.

Prof. C. B. Macpherson gave a paper on "Social versus Distributive Injustice" at

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COMING EVENTS

APRIL (Continued from page 1)

16 WEDNESDAY

- Lecture Department of Metallurgy and Materials Science. "The Theory of Martensitic Transformations". Dr. N. Kennon, McMaster University. Room 116, Wallberg Building. 3.30 p.m.
- Tours Take one or three: "Ancient Egypt", 12 noon; "Arts of India" or "Bronze Age of China", 1 p.m.; "Bronze Age of China" or "The Arts of India", 2 p.m. ROM Main Rotunda.

17 THURSDAY

- Film "I Know Tomorrow", film on the life and work of the Canadian pioneer in radio, Reginald Fessenden, written and edited by Dr. B-Z. Shek for META, will be shown on Channel 9 at 9.30 a.m.

18 FRIDAY

- Lectures Department of Metallurgy and Materials Science. "Theory of Solid Electrolytes". Dr. G. P. Stavropoulos. Room 116, Wallberg Building. 3.30 p.m.
- School of Graduate Studies, Department of Chemistry and the Chemical Institute of Canada. "Natural Products from *Croton* Species". Dr. K. L. Stuart, University of the West Indies. Room 158, Lash Miller Chemical Laboratories. 4 p.m.

22 TUESDAY

- Lecture Ecumenical Institute of Canada. Murray Memorial Lectures 1969. "The Theory and Practice of Lay Training". Rev. Dr. Ian Fraser, director of Scottish Churches' House, Dunblane, Scotland, recently appointed consultant to the World Council of Churches. 97 St. George Street. 2.30 p.m. and 8 p.m.

23 WEDNESDAY

- Tours Half hour guided tours: at 12 noon, "Pioneer Life in Upper Canada" or "Early Canadian Textiles"; at 1 p.m. "Early Canadian Textiles" or "Pioneer Life"; at 2 p.m. "Forgotten Peoples" Exhibition. ROM Main Rotunda.

25 FRIDAY

- Lecture Department of Metallurgy and Materials Science. "Spectroscopy in Fused Salts". Dr. H. C. Brookes. Room 116, Wallberg Building. 3.30 p.m.

30 WEDNESDAY

- Tours Guided Tours: at 12 noon and 1 p.m., a choice of the "English Furniture Galleries" or "The French Salon"; "Forgotten Peoples" Exhibition at 2 and 3 p.m. Admission Free. ROM Main Rotunda.

MAY

2 FRIDAY

- Lecture Department of Metallurgy and Materials Science. "Some Aspects of the Gaseous Reduction of Synthetic and Natural Iron Ores". Dr. A. E. El-Mehairy. Room 116, Wallberg Building. 3.30 p.m.

23 FRIDAY

- Lecture Department of Psychiatry. "Man and Aggression—An Optimist's View". Dr. Melzack, McGill University. Clarke Institute of Psychiatry. Auditorium. 11 a.m.—12.30 p.m.
- Supper The Faculty Club's Buffet Supper. 5.30–8 p.m.

Senate approves B.Ed. degree after one-year program at COE

Summary of the minutes of the meeting of the Senate, March 14, 1969:

(1) The minutes of the meeting of February 14, 1969, were approved.

(2) The Senate received a letter of appreciation for the expression of sympathy by the Senate at the death of the Honourable M. Wallace McCutcheon.

(3) The Senate was informed of the proposed membership of the recently-established University-High School Relations Committee to be made up of nine members of the Senate, three representatives of the high schools, two representatives of the Department of Education, two members of the Students' Administrative Council, and a representative of the Colleges of Applied Arts and Technology. Assessor members will be the Registrar of the University, the Director of Admissions, the Secondary School Liaison Officer and the Director of Student Awards.

(4) The Chief Librarian presented his 1967–68 Annual Report for the information of the Senate.

(5) The Senate approved a recommendation of the Executive Committee that a First Year Program in Engineering be established through the Division of University Extension.

(6) The Senate approved a recommendation of the Executive Committee that the Degree of Bachelor of Education be awarded to students on successful completion of the one-year program at the College of Education which leads at present to the Interim High School Assistant's Certificate, Type B.

The Senate approved a further recommendation that this degree be awarded commencing in the academic year 1969–70.

The following motion was passed by the Senate:

"That the Council of the College of Education be requested to explore how a person who presently holds a Department of Education Type B Certificate (as a result of having completed the one year program at The College of Education) might obtain a Bachelor of Education degree from the University of Toronto."

The Senate was informed that the Commission on University Government has agreed to arrange a public hearing concerning the Senate of the University at an evening session of the Commission. The date and time of the meeting will be announced and members of the Senate will be informed.

Extension Committee schedules meetings

The Presidential Advisory Committee on Extension has arranged the following schedule of meetings at 84 Queen's Park Crescent. All are open to visitors.

Tuesday, April 8, 9–11 a.m.

Robin Ross (Vice-President and Registrar) and Prof. Arthur Porter (Industrial Engineering).

Wednesday, April 9, 7–9 p.m.

Dean A. D. Allen and Dean W. D. Foulds (Faculty of Arts and Science).

Monday, April 14, 9–11 a.m.

Dr. Roby Kidd (Ontario Institute for Studies in Education) and Dr. Alan Thomas (Director, Canadian Association for Adult Education).

SAC presents Policy Statement to Commission on Government

The Students' Administrative Council has submitted a policy statement to the Commission on University Government. The brief, Steven Langdon, president of the Council this year, said in a covering letter, "was adopted by the last Council meeting with three dissenting votes."

Excerpts from the brief follow:

In terms of the reasons for student power and the ultimate social purpose we see for universities, there is no doubt what the ideal governing system would be. There would be no arbitrary lines between faculty and students in the decision-making process. Each person within the university community would be involved on an equal basis in as participatory a manner as possible, especially at the departmental and faculty level. We would be a critical community and make decisions accordingly.

This ideal cannot come close to attainment at the moment . . . by the nature of their roles, students and faculty do have different interests on some matters. . . .

The fight for student representation on committees and councils, even for parity, recognizes this degree of present separation of faculty from student . . . committee representation does not really give equality and respect to any but the student elite (and perhaps not real equality even then), by no means institutes participatory control, and almost ignores the building of a real community feeling in the university. . . .

At the departmental and faculty level, at least, a better alternative exists: "Parallel structures" maintain the committee system by making joint committees the major innovative bodies and the forums for detailed discussion and compromise between faculty and students. Committee decisions must, however, be approved by dual open meetings, one of all faculty, one of all students, within a given jurisdiction. This meeting may also innovate matters subject to parallel approval. . . .

We realize CUG cannot legislate changes at the departmental level. However, it can and should morally demand that they be made—for that is the area of central concern to a student here. At this level changes must give the student equal power with faculty in determining what is to be taught, how it is to be taught, who is to teach, and what academic evaluation is to be made, both of student and professor. . . . We maintain that students who study all year with a professor are able to evaluate his teaching. And if a course has achieved anything, students should also have learned to analyze the academic abilities of a professor. . . .

At the cross-university level, however, total participation is unattainable. The answer must be a decentralization of power from this level, and a tying of representation there to the student union in terms of election and accountability. . . . Through the student union, representatives will be able to keep in touch with student thinking across campus. They will be accountable to other student representatives for their actions. . . .

The mechanics of this alternate representation could follow several options. One is direct appointment by the SAC. A second and perhaps more acceptable one is dual election of persons to SAC and a central university governing body. In the latter case, constituencies and rules should be organized by the SAC. . . .

Meetings of all university bodies should be open to anyone from the university community who wishes to attend and is willing to observe rules of conduct established by the committee. By a majority vote and for stated reasons, the meeting may go in camera. Observers may address meetings by a majority vote of the committee. . . .

A consequence of adopting openness would be the publicizing of all meetings in the *Varsity*. . . .

A university governed by faculty and students would retain administrators, but administrators who would be responsible to students and faculty.

While losing formal control, they would inevitably retain much informal

control. They should have a voice, but no vote, on committees of staff and students. Their rights would be protected both by their informal influence and by a union which would concern itself with their working conditions.

Administrative information and services must be equally available to faculty and students. . . .

Students should have equal power with faculty in hiring administrators. . . .

The selection process for the President should be the same as that of the other administrative officers of the university. He should be given a four year term, subject to a single reappointment. His role will inevitably be a major one, especially in defending the university against the tensions created in societal power centres by the university's critical social role.

We recognize that the public interest is theoretically represented by the provincial government in their dealings with the university. However, there should be some non-governmental representatives of the community in the central structure of the government of the university. This should reflect diverse sectors of society, not just the institutional power structure. Labour, tenants' and residents' associations, educators and alumni are among other groups from whom representatives might come. The extent of public representation should not, however, be extensive, since we believe students and faculty should have ultimate control of internal decision-making. The university should be responsible for selecting their main central body; representatives from society at large should be selected by the student faculty unions. . . .

CUG cannot deal with all of this; it may conceivably not deal with any. Structural changes cannot create utopia. Basic and radical structural changes can, however, promote the development of a better university and society. . . . Students are skeptical about CUG's ability to do these things. It is to be hoped that the Commission can prove us wrong.

Stores close in May for inventory taking

The following dates have been set for the purpose of taking inventory in the Stores Department at 215 Huron Street:

Academic Departments

Stores will be closed to Academic Departments from 4.30 p.m. Wednesday, May 21, until 8 a.m., Monday, June 2.

Physical Plant and

Administrative Departments

Stores will be closed for the issuing of materials from 4.30 p.m. Wednesday, May 21, until 8 a.m. Tuesday, May 27.

Personnel Purchases

Stores will be closed to University staff from 4.30 p.m. Friday, May 16, until 8 a.m. Monday, June 16.

L. H. Hubbard, assistant superintendent, General Services, asks that the anticipated material requirements be drawn in advance.

Astrophysics is topic for June Institute

Guests from California, Washington and New York will be the main speakers at the third "June Institute" sponsored by the Graduate Department of Astronomy and the David Dunlap Observatory, to be held on the St. George campus from June 10 to 13 inclusive. Title of the Institute is Modern Astrophysics (Cosmology, X-Ray Astronomy, Stellar Dynamics and Relativistic Astronomy).

The guest speakers will be Geoffrey R. Burbidge, University of California, San Diego; Herbert Friedman, U. S. Naval Research Laboratory, Washington; Kevin N. Prendergast, Columbia University; and Kip S. Thorne, California Institute of Technology, Pasadena.

Graduate students, faculty members and other prospective participants should write to Prof. S. P. S. Anand, Department of Astronomy, U. of T. as soon as possible and not later than May 16, 1969.

STAFF NOTES

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the University of Colorado Philosophy symposium on Feb. 22; also a paper on "Two Concepts of Power" at a Princeton University Philosophy colloquium on March 3, and at the University of Toronto colloquium on Politics and Philosophy on March 8. He gave lectures on the latter subject at Swarthmore College on March 2 and at Sir George Williams University on March 7. He also gave a paper on "Forces Relating University and Community" at the annual meeting of the Association of Universities and Colleges of Canada in Ottawa on Nov. 7, and spoke in panel discussions at the University of Windsor seminar "Teaching in the Modern University" on Dec. 12, and at the University of Guelph Conference on "A University Examines Itself" on Feb. 12.

PROF. M. H. WATKINS led a workshop of graduate students in economics at Carleton University on "Approaches to Foreign Ownership" on Feb. 20 and addressed the annual conference of the Ontario Union of Students in London on "Education in the Branch Plant Economy" on March 13. He is now acting as a managing editor of the *Canadian Forum* and has been appointed to the editorial board of the *Journal of Canadian Studies*.

The Rockefeller Foundation has awarded PROF. GERALD K. HELLEINER a grant for the purpose of participating in the conference on the teaching of economics in Africa to be held at the University College, Dar es Salaam (Tanzania) March 30 to April 5, and consulting with staff members at the University College, Nairobi, and Makerere University, Kampala.

DR. R. O. BRINKHURST visited the University of Wisconsin (Madison) and the University of Wisconsin (Milwaukee) from March 10 to 13 as visiting lecturer. Lectures on the Biology of Aquatic Oligochaeta and Natural Eutrophication of Lakes were presented at both campuses, together with discussions on research at the Water Resources Center and the Department of Bacteriology, the Center for Great Lakes Studies and the Laboratory of Limnology.

University College

PROF. W. F. BLISSET gave the opening address at the annual meeting of the Canadian Music Council in Montreal on March 21, on the subject "Composer and Audience".

PROFS. A. R. CURTIS and E. A. JOLIAT attended the conference on Seventeenth Century Drama held at the University of Iowa in Iowa City, March 13 and 14.

PROF. WALTER BAUER spoke on March 23 to the German section of the joint conference of the New York State Federation of Foreign Language Teachers and the Ontario Modern Language Teachers' Association on the subject "Contemporary German Documentary Drama".

Victoria College

PROF. J. A. SURERUS of the Department of German gave two lectures at Waterloo Lutheran University in the "Truth and Poetry" series. The first on Dec. 10 dealt with the Nibelungenlied and the second on Jan. 28 with Grimmshausen's Simplicissimus.

Trinity College

PROF. D. J. CONACHER gave an address to the Humanities Association at the University of Guelph entitled "From Tragedy to Comedy" on March 18.

PROF. B. T. FITCH gave a lecture entitled "Nouvelles Perspectives sur L'Etranger de Camus" to the Graduate Department of French, University of Kansas, Nov. 15. Prof. Fitch was a member of the organizing committee of the 1969 Bernanos Colloquium which took place at the University of Western Ontario, Jan. 4-6. He presided at one of the sessions and gave a paper "Vide Mental et Structure Creuse dans *Journal d'un Curé de Campagne* de Bernanos". On March 17 he gave a lecture on "L'evocation par l'absence dans *La Nausée* de Sartre" to the Graduate Departments of French and Italian, University of Wisconsin, Milwaukee.

St. Michael's College

PROF. ROBERT O'DRISCOLL has been appointed to the Steering Committee of the International Association for the Study of Anglo-Irish Literature. On Feb. 15 Prof. O'Driscoll spoke on "Yeats's Concept of the Theatre" at the Abbey Theatre, Dublin, and on March 14 on "Yeats's Love Poetry" at the Inner Circle, Tuam, Ireland.

Medicine

DR. GEORGE STEINER gave two lectures at Queen's University on March 20. The first was entitled "Lipid Physiology" and the second "Lipoprotein Metabolism".

DR. W. T. W. CLARKE took part in the Ontario Dietetic Association Therapeutic

Nutrition Workshop on Feb. 18, and also led a discussion seminar. For the week of March 17 to 22 Dr. Clarke was in Sioux Lookout taking part in the program being carried out by the Faculty of Medicine for the Federal Government to care for the Indian and Eskimo health needs in the Sioux Lookout area which covers a 200,000 square mile region.

DR. MICHAEL LENZNER participated in the conference on Tropical Diseases organized by the Hospital Centre and the Department of Microbiology of Laval University on March 14. His topic was "Incidence des Maladies Tropicales et Parasitaires dans la Pathologie Canadienne".

PROF. K. G. GRAY delivered three lectures at Dalhousie University recently. Two of the lectures were given in the Faculty of Law and dealt with "Psychiatric Evidence in Criminal Cases". The other lecture was given in the Faculty of Medicine and the topic was "Legal Problems in Medical Practice".

DR. H. MOLDOFSKY presented a paper "Pain and Mood Patterns in Rheumatoid Arthritis" on March 30 at the meeting of the American Psychosomatic Society in Cincinnati.

DR. KINGSLEY FERGUSON accepted an invitation to be an outside examiner of a doctoral thesis at le Université de Montreal on "The Coding of Verbal Interaction", and he took part in the Teach-In sponsored by the Honours Psychology Students of the Psychology Students Union held at City Hall, Jan. 30, 31 and Feb. 1. The Teach-In subject was "Sanity and Insanity" with the first evenings devoted to "Why People Break Down". Dr. Ferguson was one of four panel members for this meeting.

DR. JOHN CAMPBELL was visiting lecturer in radiology at the University of Kentucky on March 20 and 21. He spoke on "Calyceal Papillary Diseases"; "Bone and Soft Tissue Abnormalities in Chronic Renal Failure"; and "Dynamics of the Upper Urinary Tract".

Applied Science and Engineering

PROF. J. VLCEK attended the annual meeting of the Canadian Institute of Surveying and Photogrammetry, Feb. 5-7, in Ottawa. He attended the 1969 Congress of the American Society of Photogrammetry in Washington, March 10-13, where he contributed a paper, co-author, A. D. VAN DE VLIET, on "A Boundary Survey by Analytical Photogrammetry".

PROF. W. JANISCHESKYJ attended the IEEE Winter Power meeting in New York, Jan. 27-31, where he presented two papers entitled "Electrostatic Field of a System of Parallel Cylindrical Conductors" and "Analysis of Corona Losses on DC Transmission Lines—Part II Bipolar Lines", and participated in the discussions of other papers. He also participated in meetings of the Power Group Council, the Chapters Committee of the Organization Department of the Power Group, the Power Group Newsletter Editorial Committee, and the Radio Interference Subcommittee with its Working Group No. 3 dealing with the design guide for high voltage lines.

Library Science

PROF. BRIAN LAND addressed a meeting sponsored by the Midwestern Regional Library System on "The Proposed New Master's Program at Toronto" in Kitchener, on Feb. 15. PROFS. WILLIAM J. KURMEY and JOHN M. MARSHALL participated in the discussion period following Prof. Land's address.

PROF. MARGARET E. COCKSHUTT was appointed vice-president of the Canadian Association of College and Research Libraries for 1968/69.

PROF. DONALD J. FORGIE introduced a video-tape presentation by DR. LARRY WEED, director of the Out-patient Clinic of Cleveland Metropolitan General Hospital, to a seminar of the Canadian Operations Research Society, Toronto Section, on Feb. 3. The conference theme was "Managing the Future with Operations Research". Prof. Forgie also addressed the seminar of the University of Toronto Faculty of Forestry and the Ontario Professional Foresters Association on "Computers, Communications and Information Systems—Whither Now?" in Toronto, Feb. 20.

PROF. KATHARINE L. BALL, president of the Canadian Library Association, presided over the meetings of the Council and Board of Directors of the Association held in Ottawa, March 6-9. She was a member of a joint delegation of the Association and l'Association Canadienne des Bibliothécaires de Langue Française appearing before the Parliamentary Committee on Broadcasting, Films and the Arts in order to make representations to the committee on the pro-

visions of the proposed National Library Act. PROFS. OLGA B. BISHOP, ISABEL K. McLEAN and R. B. LAND also attended the meetings of the Council of the Canadian Library Association.

PROF. FLORENCE B. MURRAY participated in the Midwinter Conference of the American Library Association held at Washington, Jan. 26-31, as chairman of the History Section of the Reference Services Division.

PROFS. R. BRIAN LAND, MARY E. SILVERTHORN and OLGA B. BISHOP represented the School of Library Science at the Inter-School Seminar on Innovations in Professional Education on March 13 and 14. The seminar was sponsored by the Department of Adult Education of the Ontario Institute for Studies in Education.

Connaught Medical Research Laboratories

At a meeting of the Royal Canadian Institute held on Feb. 22 DR. R. D. DEFRIES was elected an Honorary Member of the Institute, in recognition of his outstanding service in the field of public health. The Royal Canadian Institute, now in its 120th Session, is one of the oldest scientific associations in Canada. Honorary Members—limited to 25, of whom not more than 15 are residents of Ontario—are those eminent for their services to science, literature or art.

Bio-Medical Electronics

DR. J. KRYSPIK represented the Institute of Bio-Medical Electronics at the Neuro-electric Conference in San Francisco on Feb. 26 and gave a paper on "A Method for Derivation of Volume Conductor Geometry".

Civil Engineers are enthusiastic about Staff-Student Committee

The following is a statement issued by T. Card, president of the Civil Club and fourth year representative to Student-Staff Committee:

At a time when many students throughout the world are resorting to hell-raising on campus to achieve their ends, Civil Engineering students of the University of Toronto have reached an agreement with Faculty for two-way dialogue and decision that promises to achieve an entirely constructive result.

Details of the new procedures are set out in the brief given below.

Initial reactions to the new procedures have been favourable. Dr. T. C. Kenney, professor and chairman of the Department of Civil Engineering: "In the short time that this committee has been in operation it has proved to be an invaluable addition to Civil Engineering instruction here. We are not yielding to pressure but we want and need responsible cooperation and reactions from the students".

Dr. James Ham, Dean of the Faculty of Applied Science and Engineering: "I share this enthusiasm for the responsible development of ways and means with which we can make the experience of learning more effective".

Dale Powell, spokesman for the Civil Engineering Club: "I feel the new system is a tremendous step forward. At a time when senseless violence is so prevalent I am glad to see we don't have to riot and burn to get effective student participation in our education system".

Student-Staff Committee of the Department of Civil Engineering

Recently the Department of Civil Engineering established a Student-Staff Committee to improve communications between students and staff. At the same time, the Committee would provide the students in Civil Engineering with a stronger voice in the affairs of the department.

The membership of the Committee consists of four undergraduates selected by the Students' Civil Club, a graduate student selected by the graduate students in the department and five staff members. Thus there is parity of representation by the students and by the members of the faculty.

The staff as well as the students recognized that a fundamental review was required of both the structure of the curriculum, and of the methods of teaching the individual subjects. With these ideas in mind the Committee have set about and accomplished the following.

1. The Student-Staff Committee has

On March 3 he gave a seminar at the Department of Physiology, University of Wisconsin, on the topic of "Universal Processes and the Models of Life Phenomena".

PROF. H. O. BEIRNE spoke on "Collecting Vector Electro-cardiographs using a Small Computer" at the 3rd Canadian Decus Symposium, Toronto, Jan. 30, and was a participant in a session on "Reading at Impossible Speeds" at the Conference "Reading 1969" at York University, Feb. 21-23.

The Press

The following books have recently been published by the U of T Press:

Manpower and Educational Development in India, 1961-1968. By Tyrrell Burgess, Richard Layard and Pitambar Pant. \$9.25.

The One-Parent Family: Perspectives and Annotated Bibliography. Edited by Benjamin Schlesinger. \$5.00.

Essays in Medieval History Presented to Bertie Wilkinson. Edited by T. A. Sandquist and M. R. Powicke. \$9.00.

Other Books

Introduction to Optimal Control. Edited by I. McCausland. Wiley, 1969.

The Far Eastern Collection. By Henry Trubner, former curator, Royal Ontario Museum Far Eastern Department. Hard cover \$5.50 (ten per cent discount to ROM members). This is the first work to outline the Museum's collection of the arts of China, Japan, India and Korea. It contains 128 pages, eleven plates in full colour and 110 other illustrations of objects in the Museum collections. Available from the Sales Desk, ROM, 100 Queen's Park, Toronto 5. Mail orders accepted (add 50¢ postage).

prepared an evaluation sheet for both lecturers and courses. The staff will be urged to distribute these to the students after the first one-third of the course has been completed, and also near the end of the course. The results of the students' evaluation of the professor would be for the professor's own information.

If the quality of the lectures does not improve, then the student representative of that class to the Student-Staff Committee could conduct a class evaluation survey. The results could be brought before the Student-Staff Committee for discussion and recommendations.

2. The Student-Staff Committee intends to prepare a questionnaire for staff evaluation of classes. When the staff decide that certain improvements could be made in a class, they can bring their evaluation sheets to the Student-Staff Committee for consideration and action.

3. Civil Engineering has almost completely revised its curriculum. The work for this change was done by the Civil Engineering Curriculum Committee, a committee made up entirely of staff members. A draft version of the curriculum was sent to all Civil Engineering students and comments were channeled back through the Student-Staff Committee where they were discussed in detail and recommendations made.

As a further step in the involvement of students in the activities of the department, four students will now have voting rights at departmental meetings. This most recent change was adopted at the February, 1969, departmental meeting of the staff members of Civil Engineering. These four elected representatives would also be the undergraduate student members of future Student-Staff Committees. As with the original decision to form a Student-Staff Committee, this additional step is viewed as an indication of the improved communication and cooperation between staff and students.

Changes in dialing for St. George Campus

(starting April 6, 1969)

For Direct Distance Dialing:
DIAL 9 + 1

For Bell Canada Operator:
DIAL 9 + 0

For Bell Canada Information:
DIAL 9 + 411

For Telephone Repair Service:
DIAL 2000

Appointed & Promoted

Administration

The appointment of JOHN HARRISON LEE, C.A., as Chief Accountant of the University of Toronto has been announced by A. G. Rankin, Executive Vice-President (Non-Academic).

Mr. Lee, who has until recently been assistant secretary of Sherritt Gordon Mines Ltd., took up his duties with the University on March 24, 1969. He will be directly responsible to P. P. M. Robinson, Director of Finance.

Mr. Lee brings to this position several years of valuable experience in the areas of corporate finance, including tax analysis, and we welcome him to the staff of the University.

Arts and Science

LELAND M. GOODRICH has been appointed Visiting Professor of International Security Studies for the academic year 1968-69. Prof. Goodrich, who retires this year as Professor of International Organizations at Columbia University, is an internationally recognized scholar in his field.

Prof. Goodrich, who has held his current post at Columbia since 1959, was previously professor at the Fletcher School of Law and Diplomacy and director of the World Peace Foundation. He has written extensively and is the author of several major works on the United Nations.

While at U of T, Prof. Goodrich will lecture and lead seminars on the contribution to international security which has been made and can be further made by the

United Nations and other major international organizations. He will thus reinforce the interdisciplinary group of schools at the University who are working on the role of international organizations in the promotion of world peace.

Prof. Goodrich, whose appointment was arranged by International Studies Program and its International Relations committee, under the chairmanship of Prof. Harold Nelson, will be attached to the Department of Political Economy for the period of his appointment.

Criminology

JAMES L. WILKINS, now assistant professor of sociology at the University of Illinois, will join the staff of the Centre of Criminology on July 1 as a senior research associate with a cross appointment as associate professor in the Department of Sociology.

Dr. Wilkins graduated from Northern Illinois University and obtained the M.A. and Ph.D. degrees from Northwestern University. Post-doctoral research was carried out during 1964-65 at the Mental Health Research Unit of the New York State Department of Mental Hygiene, where he worked as a senior research scientist. He has taught at Northwestern University and Lake Forest College as well as in his present position.

Dr. Wilkins is the author of a number of articles concerning suicide which have appeared in sociological, psychological and medical journals. His book, *Near Suicide*, will be published this year.

Gold Medal of Cereal Chemists is awarded to Botany chairman

Prof. Nicolaas P. Badenhuisen, chairman of the Department of Botany, has been awarded the Thomas Burr Osborne Gold Medal, the highest honour of the American Association of Cereal Chemists, for extraordinary research contributions to cereal science. The medal will be presented to Dr. Badenhuisen in Chicago on April 28.

The award was a tribute to Prof. Badenhuisen's notable work in starch chemistry and the mechanisms of granule growth within the plant cell.

Dr. Badenhuisen, a native of Holland, received his D.Sc. degree in biology and chemistry from the University of Amsterdam and while teaching in the botany department there from 1931 to 1939 began the research to which he has devoted most of the years since. He was working as a geneticist and biochemist in Java at the time of the Japanese invasion. During three years as a prisoner-of-war, Dr. Badenhuisen made a study of native orchids as one of the few diversions available (aside from the production of illicit alcohol, for lifting the morale of the prisoners and the buying of favours from the guards).

After the war, he served briefly as a hospital chemist in Bangkok, then returned to Holland, first at the University of Groningen, then at the Royal Yeast Factory at Delft. In 1950, he became Dean of the Faculty of Science and head of botany at the University of Witwatersrand in Johannesburg, South Africa. In addition to continuing his starch granule

research, he became interested in conservation, an interest he has maintained, partly because of its educational and recreational bearing, but also because of his concern for the provision of food for an exploding world population.

After 10 years in South Africa, Prof. Badenhuisen took his present position at the University of Toronto. In addition to his teaching and administrative responsibilities, he has developed his work in starch granule research to the point where he is an acknowledged leader in the field. His studies have strengthened the foundation of basic knowledge, on which interpretations of all kinds of research on starch, both pure and applied, may rest.

Need Assistant Registrar for Erindale College

Applications are invited for the position of assistant registrar at Erindale College. A university degree is required with preferably some experience in university administration and student counselling. Duties will commence on July 1, 1969.

Apply in writing, giving full qualifications and salary expected to the Registrar's Office, Erindale College, University of Toronto.

No CUG meetings today next session is April 8

Because of the pressure of other work upon some of its members, the Commission on University Government has cancelled its sessions which were to have been held today at 10 a.m. and 7.30 p.m.

The next meeting will be held Tuesday, April 8, at 7.30 p.m. in the Senate Chamber.

OCUFA asks for replies to questionnaires soon

The secretary of the Ontario Confederation of University Faculty Associations requests that recipients of the OCUFA questionnaire on formula financing, who have not already done so, complete the questionnaire at their earliest convenience and return it to the OCUFA Office, Room 302, Sandford Fleming Building.

The Library's computer system means new service to readers

Installation of a Sigma 7 computer system has made it possible for the University Library to begin realizing real benefit out of the plans and preparations of the past five years. It provides the means to develop techniques of storage and access which will make the Library's full store of bibliographic information available to users at various places on the campus and eventually beyond.

Immediate developments

During the remaining months of this academic year, and 1969-70, the computer will be applied to several routine operations so as to accommodate a steadily growing workload without requiring a comparable growth in library staff. As each application will be introduced gradually, alongside the existing manual procedures, there will be no startling results in the first few months. However, the list of operations scheduled for implementation this year is impressive:

(1) The Library was an active participant in the MARC I (Machine Readable Catalogue) pilot project at the Library of Congress in 1967 and 1968. The project becomes operational later this year when LC/MARC tapes are available. Separate arrangements are being made for tapes from the British National Bibliography. When the two sets are integrated it will be possible to select catalogue data for a large proportion of the English-language books the Library acquires. After the data are adjusted to local needs, the machine will be used to print sets of catalogue cards ready for filing.

(2) A MARC Data Service will be offered at cost to the 13 other provincially assisted universities and to the Federated universities. This service is expected to be available by November.

(3) The "brieflisting" system developed in 1967 will be continued. By this means, cataloguing backlogs of low-priority material is brought under control with a minimum of bibliographic formality, through a machine-readable record which produces author and title cards for the catalogue.

(4) The automated program for recording loans will be one of the most advanced in existence, and will begin at the Science and Medicine desk. It will record loans and discharges as the transactions occur, and is designed to permit direct inquiry (through a teletype keyboard) concerning the status and availability of any book in the LC-classed collection. As a detailed and accessible store of loan records it will provide information which will be valuable in the planning and management of book collections.

(5) Automated check-in of current serials is expected to begin. It will help to handle a high volume of routine work, but its main purpose will ultimately be to make available to readers, in various places, an up-to-the-minute record of recent issues of serials in the library system.

(6) An accounting system for book funds will improve control over the allocation, encumbrance, and expenditure of money.

(7) Conversion of the Library's shelf-list will continue and programs to support this effort are being written for the new computer. To date the University of Toronto has recorded about 400,000 titles in machine-readable form, and has one of the two largest files of this kind in the world. Although this project does not provide an immediate direct service to readers, it is fundamental to all the other computer projects which will make use of the Library's data-base.

Long-range developments

The projects mentioned above are all expected to be operational in 1969-70, and will continue to grow thereafter into a related and comprehensive system. Long-range plans call for the development of:

(1) . . . programs for consolidation and manipulation of various files, and for the printing of library catalogues and selective lists. The usefulness of the printout will naturally depend on the

amount and flexibility of data converted into machine form.

(2) . . . programs and procedures for the local use of machine-readable data-files which are available commercially.

(3) . . . means of handling bibliographic information in non-Roman alphabets, especially Arabic and Cyrillic, so as to eliminate the ambiguities inherent in transliteration.

(4) . . . efficient techniques for recording and storing the large masses of data implicit in a major bibliographic system.

(5) . . . a good machine-oriented "language" in which library users and staff may communicate directly with the machine-stored file, either to derive information or to up-date the file. The Library has already done some reasonably advanced work in this area, and is thus making one of the first contributions towards establishment of the kind of communication which will be needed in any bibliographic network, either local or regional.

(6) . . . a precise and economical method of converting bibliographic data to machine form in order to expand the Library's data-base to include more specific information such as parts of series, chapter headings, and so on.

Ph.D. Orals

All members of the Graduate Faculty have the right to attend Ph.D. Oral Examinations.

Tuesday, April 8

Mrs. Karen J. Galbraith, Department of Psychology. "Mediation in Animal Discrimination Learning". Thesis supervisor: Prof. A. Amsel. Room 207, 65 St. George Street. 10 a.m.

Mr. R. G. Toop, Department of English. "Technique and Vision in the Fiction of Ernest Hemingway: A Chronological Study". Thesis supervisor: Prof. P. A. Child. Room 207, 65 St. George Street. 2 p.m.

Wednesday, April 16

Mrs. M. Kelner, Department of Sociology. "The Elite Structure of Toronto: Ethnic Composition and Paths of Recruitment". Thesis supervisor: Prof. S. D. Clark. Room 207, 65 St. George Street. 10 a.m.

EXHIBITIONS

Paintings, drawings, prints, photographs, stage design and textiles by students of the Department of Fine Art are on exhibit in the department's library in Sidney Smith Hall.

Exhibition of hand-woven tapestries designed by contemporary Yugoslavian artists, complemented by pieces of contemporary sculpture and carving. ROM Exhibition Hall to April 6.

Finnish textiles exhibition, including Marimekko architectural textiles as well as fashion and drapery fabrics. ROM. April 1 to May 4.

Arts of Forgotten Peoples exhibition shows utensils, crafts, weapons, religious and other objects of the major native culture areas of North America, Africa and Polynesia. Guided tours Monday-Friday at 2 and 3 p.m. April 22 to June 22. ROM.

World's first postage stamp, the Penny Black of Britain - until April 15. April 15-May 15, stamps of the British Solomon Islands and also rare manuscript cancellations of the Second World War. ROM.

The Seven Years' War exhibition - historical paintings, portraits and drawings recall the mid-18th century conflict between France and Britain for possession of Canada. Included are memorabilia of General Wolfe. Sigmund Samuel Canadiana Building. April 5-June 29.

McLaughlin Planetarium. "Between the Stars". Until May 4. Tuesday to Friday, 3.30 and 8 p.m.; Saturday, 11 a.m., 2, 3.30, 5 and 8 p.m.; Sunday, 2, 3.30 and 5 p.m. Buy tickets in advance at the Planetarium Box Office. Adults \$1, students and children (8-14 years) 50¢. Children under eight years old not admitted to the Star Theatre.

Announce extra holiday for this year's Dominion Day

The President has announced that in observance of Dominion Day this year, the University offices and the University library will be closed on Monday, June 30 and Tuesday, July 1.

Divisional meetings in Graduate Studies

All members of the graduate faculty of each division, and all graduate students enrolled in the departments, centres, and institutes constituting the division, may take part in these divisional meetings:

Division I (The Humanities)

Monday, April 6, at 4 p.m. in the Senate Chamber, Simcoe Hall.

Division II (The Social Sciences)

Tuesday, April 8, at 4 p.m. in the Senate Chamber, Simcoe Hall.

Division III (The Physical Sciences)

Wednesday, April 9, at 10 a.m. in the Senate Chamber, Simcoe Hall.

Division IV (The Life Sciences)

Wednesday, April 9, at 2 p.m. in the Council Chamber, Galbraith Building.